

Notice of Allowability

Application No.

09/740,212

Examiner

Tony Mahmoudi

Applicant(s)

YOUNG ET AL.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 09-July-2004.
2. ☒ The allowed claim(s) is/are 1-13, 16, and 18-26, re-numbered as claims 1-23.
3. ☒ The drawings filed on 20 December 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

CHARLES RONES
PRIMARY EXAMINER

C. Rones
CHARLES RONES
PRIMARY EXAMINER

DETAILED ACTION

Remarks

1. In response to the applicant's Amendment filed on 09-July-2004, claims 14-15, and 17 have been cancelled and claims 8, 13, and 16 have been amended per applicant's request. Therefore, claims 1-13, 16, and 18-26 are pending in the application.

Allowance

2. Claims 1-13, 16, and 18-26 are allowed over the prior art made of record.
3. The following is an examiner's statement of reasons for allowance:

The applicant's amendment filed on 09-July-04 has overcome the rejection made to claim 13, which was the only independent claim rejected in the previous office action.

The prior art of record, Jammes et al (U.S. Patent No. 6,484,149), Memmott et al (U.S. Patent No. 6,560,591), Larson (U.S. Patent No. 6,115,705), and Blumenthal (U.S. Patent No. 6,026,409) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim):

wherein, in response to one of said data access requests issued to the database, the database interface function selects the query lookup table from among other query lookup tables containing queries formatted for other databases, locates the query in the selected

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lookup table corresponding to the issued data access request, sends the query to the database, and retrieves results of the query, as claimed in claim 1.

Claims 2-7 are allowed over the prior art made of record, because they are dependent from the allowed independent claim 1.

The prior art of record, Jammes et al (U.S. Patent No. 6,484,149), Memmott et al (U.S. Patent No. 6,560,591), Larson (U.S. Patent No. 6,115,705), and Blumenthal (U.S. Patent No. 6,026,409) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim):

wherein, in response to one of said data access requests issued to one of said databases, the database interface function selects the query lookup table containing the queries formatted in accordance with the database, locates the query in the selected lookup table corresponding to the issued data access request, sends the query to the database, and retrieves results of the query, as claimed in claim 8.

Claims 9-12 are allowed over the prior art made of record, because they are dependent from the allowed independent claim 8.

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The prior art of record, Jammes et al (U.S. Patent No. 6,484,149), Memmott et al (U.S. Patent No. 6,560,591), Larson (U.S. Patent No. 6,115,705), and Blumenthal (U.S. Patent No. 6,026,409) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim):

Formatting the results of the query;

Returning the results of the query to the application program after the results have been formatted;

wherein each of the data access requests provided by the application comprises a query name and an argument array, as claimed in claim 13.

Claims 16 and 18 are allowed over the prior art made of record, because they are dependent from the allowed independent claim 13.

The prior art of record, Jammes et al (U.S. Patent No. 6,484,149), Memmott et al (U.S. Patent No. 6,560,591), Larson (U.S. Patent No. 6,115,705), and Blumenthal (U.S. Patent No. 6,026,409) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim):

receiving, from the application program, one of said data access requests including at least one parameter associated therewith;

selecting the query lookup table containing the queries formatted in accordance with the database from among other query lookup tables containing queries formatted for other databases; and

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locating, in the query lookup table, a selected one of queries corresponding to said one of said data access requests received from the application program; and

substituting said at least one parameter into corresponding positions in the selected one of the queries, as claimed in claims 19 and 22.

Claims 20-21 are allowed over the prior art made of record, because they are dependent from the allowed independent claim 19.

Claims 23-26 are allowed over the prior art made of record, because they are dependent from the allowed independent claim 22.

Conclusion

4. Any inquiries concerning this communication or earlier communications from the examiner should be directed to Tony Mahmoudi whose telephone number is (571) 272-4078. The examiner can normally be reached on Mondays-Fridays from 08:00 am to 04:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici, can be reached at (571) 272-4083.

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November 12, 2004



**CHARLES RONES
PRIMARY EXAMINER**